Contents

No. 1 (February 1991)

LAMKEY, KENDALL R.; PETERSON, PETER A. *and* HALLAUER ARNEL R. Frequency of the transposable element *Uq* in Iowa stiff stalk synthetic maize populations 1

FUJIWARA, HARUHIKO; NINAKI OSAMU; KOBAYASHI, MASAHIKO; KUSUDA, JUN *and* MAEKAWA, HIDEAKI. Chromosomal fragment responsible for genetic mosaicism in larval body marking of the silkworm, *Bombyx mori* 11

FFRENCH-CONSTANT, R. H. *and* ROUSH, R. T. Gene mapping and cross-resistance in cyclodiene insecticide-resistant *Drosophila melanogaster* (Mg.) 17

BACHILLER, DANIEL *and* SANCHEZ, LUCAS. Production of XO clones in XX females of *Drosophila* 23

ARCHER, JAMES R.; ARCHER, VICTORIA A.; FESTING, MICHAEL F. W. *and* GHIRALDINI, MIRIAN A. Tich: a mutant causing disproportional growth in the mouse 29

PRETSCH, WALTER; NEUHAUSER-KLAUS, ANGELIKA *and* MERKLE, SIEGBERT. *Tpi-1* and *Gapd* are linked very closely on mouse chromosome 6 37

SPEAROW, J. L.; ERICKSON, R. P., EDWARDS, T. *and* HERBON, L. The effect of *H-2* region and genetic background on hormone-induced ovulation rate, puberty, and follicular number in mice 41

AGULNIK, ALEXANDER I., AGULNIK, SERGEI I. *and* RUVINSKY, ANATOLY O. Meiotic drive of *t* haplotypes: chromosome segregation in mice with tertiary trisomy 51

KING, THOMAS R. Partial complementation by murine *t* haplotypes: deficit of males among t^6/t^{w5} double heterozygotes and correlation with transmission-ratio distortion 55

VON DEIMLING, O. H. *and* GAA, A. Biochemical and genetic characterization of esterase-27 (ES-27), the major plasma cholinesterase of the house mouse (*Mus musculus*) 61

MEYER, K. *and* HILL, W. G. Mixed model analysis of a selection experiment for food intake in mice 71

KAPLAN, NORMAN; HUDSON, RICHARD R. *and* IIZUKA, MASARU. The coalescent process in models with selection, recombination and geographic subdivision 83

BOOK REVIEWS 93

Pattern Formation: Ciliate Studies and Models *by Joseph Frankel* G. H. BEALE

Molecular Genetics in Diseases of Brain, Nerve and Muscle *L. P. Rolland, D. S. Wood, E. A. Schon and S. DiMauro eds.* ALAN WRIGHT

Successful Tree Breeding with Index Selection *by P. P. Cotterill and C. A. Dean.* S. J. LEE

The Dictionary of Cell Biology *J. M. Lockie and J. A. T. Dow eds* E. REEVE

BOOK RECEIVED 96

No. 2 (April 1991)

HELMI, SHACKER *and* LAMB, BERNARD C. Time-dependent changes in gene conversion in *Ascobolus immersus* 97

TSUBOTA, STUART I. Unequal crossing-over within the *B* duplication of *Drosophila melanogaster*: a molecular analysis 105

COYNE, JERRY A.; RUX, JOHN *and* DAVID, JEAN R. Genetics of morphological differences and hybrid sterility between *Drosophila sechellia* and its relatives 113

MATSUURA, ETSUKO T.; FUKUDA, HARUYO *and* CHIGUSA, SADAO I. Mitochondrial DNA heteroplasmy maintained in natural populations of *Drosophila simulans* in Réunion 123

CHARLESWORTH, BRIAN. Transposable elements in natural populations with a mixture of selected and neutral insertion sites 127

STYRNA, JOZEFA. Linkage between sperm abnormality level and major urinary protein phenotype in mice 135
MERKLE, SIEGBERT; REITMEIR, PETER *and* PRETSCH, WALTER. A mutation resulting in increased triosephosphate isomerase activity in *Mus musculus* 139
DUDLEY, KEITH; SHANAHAN, FRANCIS; BURTENSHAW, M.; EVANS, E. P.; RUDDY, S. *and* LYON, M. F. Isolation and characterization of a cDNA clone corresponding to the mouse *t*-complex gene *Tcp-1x* 147
GARSIDE, WILLIAM; RUANGVORAVAT, CHRISTINE; DOLAN, PATRICIA *and* HILLMAN, NINA. The *in vivo* and *in vitro* transmission ratio distortion of one complete and two partial *t* haplotypes in mice 153
CHARLESWORTH, D. The apparent selection on neutral marker loci in partially inbreeding populations 159
CHARLESWORTH, BRIAN; MORGAN, M. T. *and* CHARLESWORTH, D. Multilocus models of inbreeding depression with synergistic selection and partial self-fertilization 177
STYRNA, JOZEFA; IMAI, T. HIROTAMI *and* MORIWAKI, KAZUO. An increased level of sperm abnormalities in mice with a partial deletion of the Y chromosome 195
BOOK REVIEWS 201
Chromosomal Aberrations: Basic and Applied Aspects *G. Obe & A. T. Natarajan eds* J. R. K. SAVAGE
Genetic Conservation of Domestic Livestock *Lawrence Alderson ed* W. G. HILL
Genetic Data Analysis *by Bruce S. Weir* W. G. HILL
Methods in Molecular Biology IV: Nucleic Acid Techniques *John M. Walker ed* DAVID ARNOT
BOOKS RECEIVED 205
ERRATUM 206

No. 3 (June 1991)

COUSTAU, CHRISTINE; RENAUD, FRANCOIS; MAILLARD, CLAUDE; PASTEUR, NICOLE *and* DELAY, BERNARD. Differential susceptibility to a trematode parasite among genotypes of the *Mytilus edulis/galloprovincialis* complex 207
HEATH, ELLEN M. *and* SIMMONS, MICHAEL J. Genetic and molecular analysis of repression in the P–M system of hybrid dysgenesis in *Drosophila melanogaster* 213
RAYMOND, JOHN D.; OJALA, TODD A.; WHITE, JENNIFER *and* SIMMONS, MICHAEL J. Inheritance of *P*-element regulation in *Drosophila melanogaster* 227
BAZIN, CLAUDE; LEMEUNIER, FRANÇOISE; PERIQUET, GEORGES *and* SILBER, JOËL. Genetic and molecular analyses of vg^{al}: a spontaneous and unstable mutation at the *vestigial* locus in *Drosophila melanogaster* 235
SPOFFORD, JANICE B. *and* DESALLE, ROB. Nucleolus organizer-suppressed position-effect variegation in *Drosophila melanogaster* 245
TEARLE, RICK. Tissue specific effects of ommochrome pathway mutations in *Drosophila melanogaster* 257
MILOSEVIC, MIRJANA; MOYA, ANDRÉS *and* AYALA, FRANCISCO J. Fertility and viability at the *Sod* locus in *Drosophila melanogaster*: non-additive and asymmetric selection 267
HARTLEY, S. E. Restriction enzyme banding in Atlantic salmon (*Salmo salar*) and brown trout (*Salmo trutta*) 273
DROIN, ANNE. *Muscle opacity* (*mo*), a new mutant gene in *Xenopus laevis*, linked to the *rusty* locus 279
BOOK REVIEWS 283
BOOKS RECEIVED 291
INDEX 293